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File: USPT

Dec 24, 2002

US-PAT-NO: 6498982

DOCUMENT-IDENTIFIER: US 6498982 B2

TITLE: Methods and apparatus for displaying a travel route and/or generating a list of places of interest located near the travel route

DATE-ISSUED: December 24, 2002

INVENTOR-INFORMATION:

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Mapquest. Com, Inc.	New York	NY			02

APPL-NO: 09/901082 [\[PALM\]](#)

DATE FILED: July 10, 2001

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application is a continuation of U.S. Ser. No. 08/069,161, filed May 28, 1993, which is allowed. This application is now an issued patent, U.S. Pat. No. 6,282,489, dated Aug. 28, 2001.

INT-CL-ISSUED: [07] [G01 C 21/26](#)

US-CL-ISSUED: 701/202; 701/208, 701/209, 701/201

US-CL-CURRENT: [701/202](#); [701/201](#), [701/208](#), [701/209](#)

FIELD-OF-CLASSIFICATION-SEARCH: 701/200, 701/201, 701/208, 701/209, 701/210, 701/211, 701/202, 340/988, 340/990, 340/995, 340/947, 340/954, 73/178R

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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B. Singh et al.; "Introduction to Data Structures"; pp. 215-223; 1985; West Publishing of Minnesota.

U.S. Geological Survey Professional Paper; "Map Projections--A Working Manual"; 1987; U.S. Department of Interior.

ART-UNIT: 3661

PRIMARY-EXAMINER: Louis-Jacques; Jacques H.

ATTY-AGENT-FIRM: Fish & Richardson P.C.

ABSTRACT:

An automated travel planning apparatus includes three separate databases, including a map database for storing bit-mapped images covering numerous geographic regions, a routing database for storing node, link, and shape data for roads geographically located within the geographic regions and for storing place data indicating the geographic location of places such as towns and cities, and a places of interest database containing the geographic locations of numerous places of interest. A processor within the automated travel planning apparatus may be divided into several functional components, including a map selection component, a routing component, and a place selection component. In response to user input at the user interface, the map selection component chooses a bit-mapped image from the map database for display on the display monitor. After a user selects, via the user interface, a departure point and a destination point, the routing component employs the routing database to generate and display a route between the selected departure and destination points. If the user requests a list of places near the displayed route, the place selection component employs the places of interest database to generate and display a list of places of interest which are within a predetermined distance of the generated route.

14 Claims, 11 Drawing figures

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